

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 044501112

For: Northwest Pipe Company

Facility: Northwest Pipe Company

Issued Pursuant to MDAQMD Regulation XII
Effective Date: March 17, 2004

This Federal Operating Permit Expires On:
March 17, 2009

Issued By: Charles L. Fryxell
Air Pollution Control Officer

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PART I INTRODUCTORY INFORMATION

FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: NORTHWEST PIPE COMPANY

Owner Mailing Address: NORTHWEST PIPE COMPANY
P.O. BOX 280
Adelanto, CA 92301

Facility Names: NORTHWEST PIPE COMPANY

Facility Location: 12351 Rancho Street
Adelanto, CA 92301

Mailing Address: NORTHWEST PIPE COMPANY
P.O. BOX 280
Adelanto, CA 92301

MDAQMD Federal Operating Permit Number: 044501112

MDAQMD Company Number: 0445

MDAQMD Facility Number: 01112

Responsible Official: Mr. Fritz Gobler
Title: Facilities Engineer
Phone Number: 760-246-3191

Facility "Site" Contacts: Mr. Fritz Gobler
Facilities Engineer
Phone Number: 760-246-3191

Facility "Off Site" Contacts: none
Phone Number:

Nature of Business: Fabricated Pipe and Fittings
SIC Code: 3498
Facility Location: UTM (Km) 465E / 3824N

DESCRIPTION OF FACILITY:

Facility is a steel pipe manufacturing and coating facility. Rolls of steel coil are spiral welded into lengths of large diameter pipe. This pipe is then coated with tar, tape or concrete applied to the inside diameter, outside diameter or both. Particulate and VOC emissions result from the process and are controlled by baghouse and scrubber.

MDAQMD PERMIT LISTING; SEE FOLLOWING TABLE:

Permit #	Permit Status	Permit Type	Permit Description
B002653	PTO	Basic	PIPE ASSEMBLY LINE
B003065	PTO	Basic	PIPE ASSEMBLY LINE
B003067	PTO	Basic	PIPE LINING
B003068	PTO	Basic	LINING BATCH PLANT
B003069	PTO	Basic	PIPE COATING (SMALL)
B003070	PTO	Basic	COATING BATCH PLANT
B003071	PTO	Basic	COAL TAR ENAMEL SYSTEM
B003072	PTO	Basic	TAPE WRAP PROCESSING LINE
B003074	PTO	Basic	TAPE WRAP PROCESSING LINE
B003075	PTO	Basic	MORTAR COATING PROCESSING LINE
B008800	RNWL	Basic	VAPORATOR STEAM GENERATOR
C002654	PTO	Air Pollution Control Device	BAGHOUSE
C002655	PTO	Air Pollution Control Device	WATER SCRUBBER
C003073	PTO	Air Pollution Control Device	BAGHOUSE
C003264	PTO	Air Pollution Control Device	BAGHOUSE
C007871	PTO	Air Pollution Control Device	SCRUBBER-COAL TAR LINE
N004613	PTO	Gasoline Service Station - Non-Retail	GASOLINE DISPENSING FACILITY (NON-RETAIL)
T002656	PTO	Tanks (or Silos)	TWIN SILO SYSTEM
T002658	PTO	Tanks (or Silos)	TWIN SILO SYSTEM

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator shall not willfully deface, alter, forge or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[**SIP Pending:** Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]

9. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
10. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
11. Owner/Operator shall pay all applicable MDAQMD Title V permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
12. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - a. While any unit is fired on Public Utilities Commission grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount and suppliers certification information.
 - b. While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
 - i. Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation a visible emissions inspection is required every three (3) months.
 - ii. Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.
 - iii. Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5 year period.
 - iv. On any of the above, if a visible emissions inspection documents opacity, an EPA Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]
13. Owner/Operator shall not burn any PUC quality natural gas fuel at this facility containing sulfur compounds in excess of 800 ppm calculated as hydrogen sulfide at standard conditions, or any diesel fuel having a sulfur content in excess of 0.5 percent by weight. Compliance with Rule 431 sulfur limit for PUC quality natural gas fuel shall be by the exclusive use of utility grade/pipeline quality natural gas. Records of natural gas supplier fuel quality/sulfur content limit shall be kept on-site for review by District, state or federal personnel at any time. Compliance with Rule 431 sulfur limit for diesel fuel shall be determined by keeping records of the diesel fuel supplier's fuel analysis guarantee showing fuel sulfur content. The sulfur content of diesel fuel shall be

determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

14. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
- 14a. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an “Alternative PM₁₀ Control Plan” (ACP) pursuant to Rule 403.2(G) has been approved. Construction/Demolition activities shall comply with a District approved Dust Control Plan.
[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as adopted 7/22/96 and SIP submitted 10/18/96]
15. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table, the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
 - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
16. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
 - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
 - (b) For the purposes of this condition emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
17. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂) greater than or equal to 500 ppm by volume.
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]
18. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
 - (a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40

CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

19. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
 - (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
20. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.
[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
21. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
 - (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
 - (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
 - (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
 - (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
 - (e) If the breakdown occurs outside normal District working hours the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.[SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]
22. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
 - (a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.
 - (b) Organic materials emitted into the atmosphere from the use of photochemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.

- (c) Organic materials emitted into the atmosphere from the use of non-photochemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
- (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
- (e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

23. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
 - (c) Cold Solvent Degreasers - Freeboard Requirements:
 - (i) Cold solvent degreasers using only low volatility solvents which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover which remains closed during the cleaning operation.
 - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
 - (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.
 - (d) Cold Solvent Degreasers - Cover Requirements:
 - (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone.
 - (e) Cold Solvent Degreasers - Solvent Level Identification:
 - (ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
 - (f) All Degreasers shall comply with the following operating requirements:
 - (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
 - (ii) Degreasers shall not be operating with any detectable solvent leaks.
 - (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
 - (iv) Waste solvent and any residues shall be disposed of by one of the following

methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.

- (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
 - (vi) Solvent carry-out shall be minimized by the following methods:
 - a) Rack workload arranged to promote complete drainage
 - b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
 - c) Retain the workload inside of the vapor zone until condensation ceases.
 - d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
 - e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
 - (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
 - (viii) Except for sealed chamber degreasers, all solvent agitation shall be by either pump recirculation, a mixer, or ultrasonics.
 - (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
 - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability:
Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records:
Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:

- (i) product name(s) used in the degreaser, and
 - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
- (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
- (3) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.
- (4) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

24. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed below:

Table of Standards

<u>COATING:</u>	<u>VOC (g/l)</u>
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	250
General Primers, Sealers and Undercoaters	350
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	
Anti-Graffiti Coatings	600
General Coatings	420
High Temperature Coatings	550
Lacquer	680
Magnesite Cement Coatings	600
Mastic Texture Coatings	300
Metallic-Pigmented Coatings	500
Multi-Color Coatings	580
Opaque Stains	350
Opaque Wood Preservatives	350
Pretreatment (Wash) Primer	780
Quick Dry Enamels	400
Quick Dry Primers, Sealers and Undercoaters	450

Roof Coatings	300
Sanding Sealers	550
Semi-transparent Stains	350
Semi-transparent and Clear Wood Preservatives	350
Shellac	
Clear	730
Pigmented	550
Swimming Pool Coatings	650
Swimming Pool Repair and Maintenance Coatings	650
Traffic Paints	250
For Other Surfaces	250
Black Traffic Coatings	650
Varnish	350
Waterproof Sealers	400

[Rule 1113 - *Architectural Coatings*; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013; Current Rule Version = 09/02/92]

25. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVLP) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

26. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	<u>Air Dried</u>		<u>Baked</u>	
	g/L	(lb/gal)	g/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)

Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

27. The provisions of Part II, Condition A.26 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

28. The provisions of Part II, Conditions A.26 and A.27 shall not apply to:
- (a) A facility which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
 - (b) Total noncompliant coating use per facility that does not exceed 55 gallons per year.
 - (c) Stencil coatings.
 - (d) Safety-indicating coatings.
 - (e) Magnetic data storage disk coatings.
 - (f) Solid-film lubricants.
 - (g) Adhesives.
 - (h) The coating of motor vehicle bodies at motor vehicle rework facilities.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

29. Owner/Operator of any facility classified as exempt or claiming to be exempt under Rule 1115, shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

30. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

31. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:

- (a) (i) VOC-containing materials for surface preparation shall not have a VOC content in

- excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
 - (ii) VOC-containing materials has an initial boiling point of 190 deg C (374 deg F) or greater; or
 - (iii) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20 deg C (68 deg F).
 - (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
 - (c) Owner/Operator shall store fresh or spent solvent in closed containers.
 - (d) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
32. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the limits and requirements of Rule 1115. This requirement applies to all written or oral contracts.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
33. Owner/Operator subject to Part II, Section A, conditions A.26 through A.39 shall comply with the following requirements:
- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
 - 1. coating, catalyst, and reducer used.
 - 2. mix ratio of components used.
 - 3. VOC content of coating as applied.
 - 4. quantity of Group II exempt compounds used.
 - (b) Owner/Operator shall maintain records on a daily basis including:
 - 1. coating and mix ratio of components used in the coating; and
 - 2. quantity of each coating applied.
 - (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
 - (d) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.
- [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
34. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
35. The Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent

testing laboratory.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

36. A violation of the limits contained in Part II, Conditions A.26 through A.39 as determined by any one of Part II, Conditions 38 and 39 *Reference Method Tests* shall constitute a violation of applicable Part II conditions.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

37. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.39, as required by Rule 1114:

- (a) Samples of coatings and solvent as specified in Part II, Conditions A.26 through A.39 shall be analyzed as prescribed by EPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or ARB Method 432 for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility Owner/Operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
- (b) Emissions of volatile organic compounds as specified in Part II, Conditions A.26 through A.39 shall be measured as prescribed by EPA Reference Method 25 for determination of VOC emissions (without correction for exempt compounds) and EPA Method 18, or ARB Method 422 for measuring emission of exempt compounds.
- (c) Transfer efficiency as required by Part II, Conditions A.26 through A.39 shall be determined by *South Coast Air Quality Management District Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989*.
- (d) Overall abatement efficiency is the product of capture efficiency as determined by procedures described in *55 FR 26865, 29 June, 1990*, and abatement device efficiency.

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

38. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.39, as required by Rule 1115:

- (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
- (b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
- (c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii)

shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.

- (d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).
- (e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
- (f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
- (g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).
- (h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.
- (i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
- (j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.
- (k) Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

39. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
[Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title 5 Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data or logs shall be supplied to District, state or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record the following for each unit:
 - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
 - (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement is sufficient.
[40 CFR 70.6(a)(3)(B) – *Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]
- 4 (a). Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and Rule 1208. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1); Rule 1208]
- (b). Owner/Operator shall include in any Compliance Certification the methods used for

monitoring such compliance.

[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]

- (c). Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD shall contemporaneously submit such Compliance Certification(s) to USEPA.
[40 CFR 70.6(5)(iii); Rule 1203(D)(g)(ix)]
- (d). Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]
- (e). On an annual basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]

- 5. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report* shall be submitted no later than 60 days after the midpoint (six months after the Title 5 Permit month & day issue date) of the Title 5 Permit anniversary date of any given year. This *Monitoring Report* shall be certified to be true, accurate, and complete by “The Responsible Official” and shall include the following information and/or data:
 - (a) Summary of deviations from any federally-enforceable requirement in this permit.
 - (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
 - (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
 - (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.

[1203(D)(1)(c)(i - iii); 1203(D)(1)(d)(i); Rule 1203(D)(1)(e)(i - ii); Rule 1203(D)(1)(g)(v - x)]

- 6. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or

within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]

(b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5-year permit term, then owner/operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:

- (a) A narrative description of how the facility will achieve compliance with such requirements; and
- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance. [Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice. [40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]

2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[1203 (D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2); Rule 1203(D)(1)(g)(v)]
7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]
8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
9. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. EQUIPMENT DESCRIPTION:

1. PIPE ASSEMBLY LINE - MDAQMD PERMIT # B002653 – consisting of:

48” Mill rated at 500 tons/day.

Outside flux recovery

Inside flux recovery

Welder inside

Welder outside

Welder butt seam

Crane

Plasma power unit No. 1

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS
RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX.
ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE
VERSION = 07/25/77:

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

2. PIPE ASSEMBLY LINE – MDAQMD PERMIT # B003065 – consisting of:

150” Mill rated at 500 tons/day:

Scrap conveyor

Outside flux conveyor

Inside flux conveyor

Milling head east

Milling head west

Plasma power unit No. 2

Welder inside No. 1

Welder inside No. 2

Welder outside No. 1

Welder outside No. 2

Welder butt seam
Compressor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS
RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX.
ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE
VERSION = 07/25/77:

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

3. **PIPE LINING – MDAQMD PERMIT # B003067 – consisting of:**

Rated at 500 tons/day.
Hydraulic pump No. 1
Hydraulic pump No. 2
Hydraulic pump No. 3
Blower
Sump pump
Travel cart No. 1
Jib crane No. 1
Jib crane No. 2

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS
RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX.
ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE
VERSION = 07/25/77:

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

4. **LINING BATCH PLANT – MDAQMD PERMIT # B003068 – consisting of:**

Wet cement, rated at 500 tons/day.

Mixer
Bucket elevator
Baghouse blower
Cement pump

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

5. PIPE COATING (SMALL) – MDAQMD PERMIT # B003069 – consisting of:

Rated at 500 tons/day.
Coating head motor No. 1
Coating head motor No. 2
Lathe cart motor No. 1
Lathe cart motor No. 2
Lathe cart motor No. 3
Water pump
Rebound conveyor
Overhead crane

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

6. **COATING BATCH PLANT – MDAQMD PERMIT # B003070 – consisting of:**

Wet mortar, rated at 500 tons/day.

Mixer

Bucker elevator

Belt conveyor

Baghouse blower

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

7. **COAL TAR ENAMEL SYSTEM – MDAQMD PERMIT # B003071 – consisting of:**

Rated at 500 tons/day. NOTE: The coal tar enamel system was part of the original design and at one time was part of ATC B002653. The coal tar enamel system has not yet been installed and will undergo some changes before it is installed.

Travel – Cart Drive – 5 hp

Rotation – Cart Drive – 75 hp

Wire Holdback Brush – 10 hp

Wire Holdback Brush – 10 hp

Coal Tar Pump – 15 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Construction and/or installation of the coal tar system shall conform with the originally design emission limits and equipment process rate (500 ton/day) and is further restricted to the use of 4,500 gal/day of cold tar enamel.
2. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C002655.
3. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.

4. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
5. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

8. TAPE WRAP PROCESSING LINE – MDAQMD PERMIT # B003072 – consisting of:

Conveyor drive motors – 5 @ 7.5 bhp ea.

Conveyor drive motors – 11 @ 5.0 bhp ea.

Hydraulic power unit

Abrasive Blast unit, Pangbon, model 240-DD-HR1

Thrower motor No. 1

Thrower motor No. 2

Screw Conveyor

Bucket Elevator

Primer applicator is a Polyken YGill System, with two Naphtha nozzles and a flow rate of 1.25 gph and uses plant air.

Tape wrapper is a Polyken YGill System which can apply layers of tape.

Tape car drive

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This facility shall produce no more than 500 tons of lined and coated pipe per day.
2. This abrasive blast unit shall not be operated unless vented to air pollution control equipment operating under valid District permit C003073.
3. This abrasive blast unit shall only use steel shot and/or grit.
4. The rubber seals on the abrasive blast unit shall be maintained in good working order to prevent the release of particulate matter.
5. The total amount of photo chemically reactive organic solvents (Rule 102) that can be released to the atmosphere by this tape wrap operation is limited to 39.6 lb/day.
6. The total amount of organic solvents (Rule 102) that can be released to the atmosphere by this facility is limited to 250 lb/day.
7. The owner/operator (o/o) shall maintain an operator's log for this equipment current and on-site for five (5) years. This log shall be provided to District, State and Federal

personnel upon request and shall contain the following information at a minimum:

- a. Amount in tons of pipe produced by each line each day;
- b. Amount and type of primer, solvent and wrap used;
- c. Solvent content and reactive/non-reactive nature of each primer and other solvent-containing material used;
- d. Daily reactive and non-reactive emissions in pounds;
- e. Pressure drops across the pollution control equipment; and,
- f. All maintenance activities.

8. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

9. **TAPE WRAP PROCESSING LINE – MDAQMD PERMIT # B003074 – consisting of:**

For 120" diameter pipe

Conveyor on B003075

Hydraulic power unit on B003075

Primer applicator: Polyken YGill System, with two nozzles and a flow rate of 1.25 gph using plant air.

Tape car drive – 5 bhp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This facility shall produce no more than 500 tons of lined and coated pipe per day.
2. The total amount of photochemically reactive organic solvents (Rule 102) that can be released to the atmosphere by this tape wrap operation is limited to 39.6 lb/day.
3. The total amount of organic solvents (Rule 102) that can be released to the atmosphere by this facility is limited to 250 lb/day.
4. The owner/operator (o/o) shall maintain an operator's log for this equipment current and on-site for five (5) years. This log shall be provided to District, State and Federal personnel upon request and shall contain the following information at a minimum:
 - a. Amount in tons of pipe produced by each line each day;
 - b. Amount and type of primer, solvent and wrap used;
 - c. Solvent content and reactive/non-reactive nature of each primer and other solvent-containing material used;
 - d. Daily reactive and non-reactive emissions in pounds; and,
 - e. All maintenance activities.
5. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

10. MORTAR COATING PROCESSING LINE – MDAQMD PERMIT # B003075 – consisting of:

120' diameter pipe.
Hydraulic power unit – car drive
Mortar feed belt conveyor
Thrower motor
Screw drive motor
Rebound recovery motor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

11. BAGHOUSE – MDAQMD PERMIT # C002654 – consisting of:

Flex-Kleen model 36BV, serial No. 2148, venting Cement Silo Lining System consisting of:

Bags, 25 cotton, 3'L x 6" diameter (112 ft² of cloth)
Air-to-Cloth Ratio: 4.46:1 (500 SCFM air from pump on servicing truck)
Air outlet, 6" diameter, 40' above grade
Reverse pulse jet cleaning

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This baghouse shall operate concurrently when the cement silo (District permit T002658) is being charged or during operations that require cement removal from the silo.
2. The owner/operator shall maintain on-site, as a minimum, an inventory of replacement bags which ensures compliance with applicable Rules of District Regulation IV.
3. An operating air lock device shall be fitted in each material discharge port.

4. The unit shall be equipped with a device which measures the pressure differential across the bags of this collector.
5. The pressure differential across this baghouse shall be maintained within the design range of 2.0 to 6.0 in w.g.
6. Pressure differentials shall be taken at least weekly and/or at the request of the District. Reading shall be recorded in the maintenance log. This log shall be maintained current, on-site for five (5) years and provided to District personnel on request.
7. This baghouse shall be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles which produce the minimum emissions of contaminants.

12. WATER SCRUBBER – MDAQMD PERMIT # C002655 – consisting of:

Model CL-SC-60 (8'W x 8'H x 25'L), Center Line Equipment and Consulting, Inc. or equivalent, high-pressure water (220 gpm at 60 psig), air flow at 14,430 SCFM. Control for Hot Coal Tar emissions consisting of the following or equivalent:

Water Reservoir: 3,500 gallons

Fog Nozzles, 35 (BETE TF8-FCN) at 3.2 gpm each

Marlow Water Pump, model 37-Hei-110, 220 gpm; with electric motor - 15 hp

Fans, two tube axle fans each with a 5 hp motor - 10 hp

Sump Heater, NAG Fired (750,000 btu/h)

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment must be operated in strict accord with manufacturer's specifications and/or good engineering principles at any time the Coat Tar Enamel System (B003071) is being used to apply a coal tar coat to pipes.
2. The water flow to this scrubber shall be equal to or greater than 220 gallons per minute at 60 psig.
3. The scrubber shall be equipped with pressure gauge and water flow meter to allow for the measurements of the water flow and pressure.
4. The pressure drop across this scrubber shall be within the manufacturer's or design recommended range of 2 to 6" W.C.
5. The scrubber shall be equipped with pressure gauge to allow for the measurements of the pressure drop across the scrubber.
6. The water flow rate and pressure and the pressure drop across the scrubber shall be taken

daily and at the request of the District and recorded in the operator's log. This log shall be maintained on-site for five (5) years and be made available to the District upon request.

13. BAGHOUSE - MDAQMD PERMIT # C003073 – consisting of:

Manufactured by Hoffman Blast Room Equipment, Inc., model No. CPJ-45.DC for concurrent use with B003072 which consists of:

Type filters: Cartridges

Filter media: Resin impregnated cellulose fibers

No. of filters: 20 cartridges

Filter Area: 226 Sq. Ft/filter; 4520 sq. ft - total

Air flow rate: 6,000 CFM

Air to cloth ratio: 1.327 to 1

Fan and motor: Chicago blower with 10 bhp drive motor

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This baghouse shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
2. An operating air lock device shall be fitted in each material discharge port.
3. The unit shall be equipped with devices which measure the pressure differential across the bags.
4. Pressure differential readings shall be taken and recorded at least weekly and/or at the request of the District. This log shall be maintained current, on-site for a minimum of five (5) years and provided to District personnel on request.
5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags which ensures compliance with applicable Rules of District Regulation IV.

14. BAGHOUSE – MDAQMD PERMIT # C003264 – consisting of:

Vents the mortar silo system and consists of:

Manufacturer: Donaldson Co., Inc., Torit Division

Model No.: Torit TD 486

Airflow Rate: 500 CFM

Filter: Cartridge filters - 9 ea.

Filter Area: 486-ft² total

Filter Media: Pleated, non-woven filter media

Dust Arrestance: 99.8% (efficiency)

Air to cloth ratio: 1.03:1

Fan and Motor: Blower - 3 hp

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This baghouse shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
2. An operating air lock device shall be fitted in each material discharge port.
3. The baghouse shall be equipped with devices which measure the pressure differential across the bags.
4. Pressure differential readings shall be taken and recorded at least weekly and/or at the request of the District. This log shall be maintained current, on-site for a minimum of five (5) years and provided to District personnel on request.
5. The o/o shall maintain on-site, as a minimum, an inventory of replacement bags which ensures compliance with applicable Rules of District Regulation IV.

15. SCRUBBER-COAL TAR LINE – MDAQMD PERMIT # C007871 –consisting of:

A Centerline Equipment unit which consists of at least the following: 2 New York blowers size tubular Acusta Foil fans of 30,000 ACFM each and whose motors are rated at 20 hp each; water reservoir of 15,000 gallon capacity with a Peerless pump model C830AMBF rate at 600 gallons/min at 90 psi with a 40 hp drive motor; 112 fog nozzles, Bete TF8-FCN, rated at 3.2 gallons/min each. The necessary electrical, ducting from permitted unit B003071, water connections and instrumentation are included.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall be operated in strict accord with manufacturer's specifications and/or good engineering principles and simultaneously with the Coat Tar Enamel System (B003071, which is used to apply a coal tar coat to pipes) and Scrubber C002655.
2. The water flow to this scrubber shall be equal to or greater than 600 gallons per minute at 90 psig.
3. The scrubber shall be equipped with pressure gauge and water flow meter to allow for the measurements of the water these parameters.

4. The pressure drop across this scrubber shall be within the manufacturer's design range (To be determined later).
5. The scrubber shall be equipped with a differential pressure gauge to allow for the measurements of the gas flow pressure drop across the scrubber.
6. The water flow rate, its pressure and the gas flow pressure drop across the scrubber shall be read and recorded daily. This log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.

16. GASOLINE DISPENSING FACILITY (NON-RETAIL) – MDAQMD PERMIT # N004613 – consisting of:

Capacity	Fuel Type	Underground
500 87U	NO	
2500 Diesel	NO	
500 Diesel	NO	

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. The toll-free telephone number that must be posted is 1-800-635-4617.
2. The owner/operator (o/o) shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least five (5) years and shall be available to the District upon request.
3. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the District.

17. TWIN SILO SYSTEM – MDAQMD PERMIT # T002656 – consisting of:

For mortar coating. Twin-member silo (side-by-side), 10' diameter x 18'H (8' H cylinder and 10'H sloping conical section) each side. Silo sections are mounted on an 18'H supporting structure. 6,872 gallons each for a total of 13,744 gallons.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C003264.
2. The mortar silo shall not be charged with more than 94,000 lb/day (two charges of 47,000 lb).

3. The owner/operator (o/o) shall comply with all applicable Rules and Regulations of this District.
4. The o/o shall maintain a daily operating log which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, amount of cement and/or wet sand used, and all maintenance activities. A copy of the log shall be kept on-site for at least five (5) years and made available to the District upon request by authorized District personnel.
5. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

18. TWIN SILO SYSTEM – MDAQMD PERMIT # T002658 – consisting of:

For cement lining and wet sand consisting of: Twin-member silo (side-by-side), 10' diameter x 18'H (8'H cylinder and 10'H sloping conical section) each side. Silo sections are mounted on an 18'H supporting structure. 6,872 gallons each for a total of 13,744 gallons.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C002654.
2. The mortar silo shall not be charged with more than 94,000 lb/day (two charges of 47,000 lb).
3. The owner/operator (o/o) shall comply with all applicable Rules and Regulations of this District.
4. The o/o shall maintain a daily operating log which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, amount of cement and/or wet sand used, and all maintenance activities. A copy of the log shall be kept on-site for at least five (5) years and made available to the District upon request by authorized District personnel.
5. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

19. VAPORATOR STEAM GENERATOR – MDAQMD PERMIT # B008800 – consisting of:

VE Corp., Model 70/4B, 7 MM Btu/hr, natural gas fueled, operating up to 20 hrs/day.

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued.
2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants.
3. This equipment may be fired on natural gas only.
4. The owner/operator (o/o) shall maintain an operations log for this equipment that includes the dates of operation, the type of operation, and maximum firing rate on each day. This log shall be maintained current and on-site for five years and provided to the District, State, and federal personnel upon request.

PART IV STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]
8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating

Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.

[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]
17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]
20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]
21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S):

No additional Operational Flexibility provisions allowed without appropriate permit modifications.

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR60, Standards of Performance for New Stationary Sources (NSPS)
40CFR60, Appendix F, Quality Assurance Procedures
40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40CFR61, Subpart M, National Emission Standards for Asbestos
40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH ₃	ammonia

NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure